

## Claims

1. Fluorescent lamp adapted for cold environments, which comprises: an elongated main tube, a fixing device at each end of the fluorescent lamp for fixing the fluorescent lamp in a light fitting, two electrodes provided with emitter material placed inside the main tube, a heat-insulating outer tube that surrounds the main tube and creates an airspace between the main tube and the outer tube in order to insulate the main tube of the fluorescent lamp from a cold surrounding atmosphere, each fixing device comprising an end cap with a radial part, that delimits an outer end plane of the fluorescent lamp, and with an axial peripheral part, the axial peripheral part of the end cap being connected to an end of the outer tube and further comprising an axial spacer with low heat conductivity which has a first end part that is connected to an end of the main tube and a second end part that adjoins the outer end plane and keeps the main tube separate from the end cap in order to reduce the transmission of heat from the main tube to the end cap and the outer tube.
2. Fluorescent lamp according to Claim 1, wherein the second end part of the spacer has one or several radially-projecting guide elements in order to make easier the assembly of the outer tube and the end cap when assembling the fluorescent lamp.
3. Fluorescent lamp according to Claim 2, wherein the guide element is in the shape of a disk-shaped radial flange.
4. Fluorescent lamp according to Claim 2, wherein the guide element is in the shape of a plurality of radial lugs distributed around the circumference.